Ontario Ministry of Northern Development and Mines

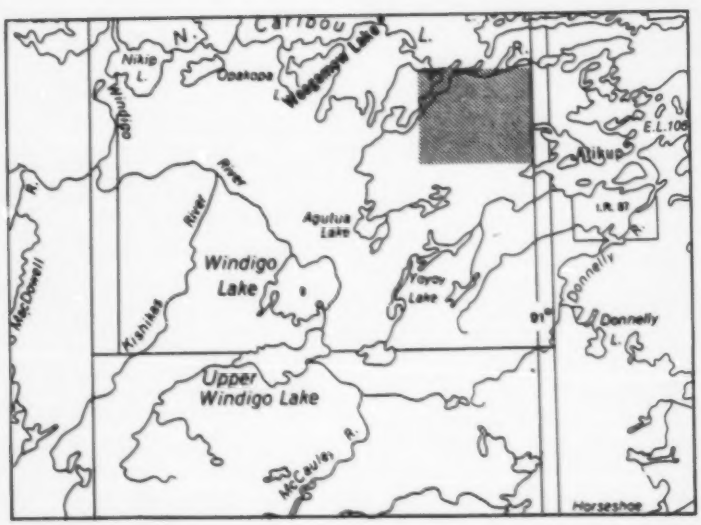
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 517

RANDALL LAKE AREA

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO Mineral Development Exploitation Minérale

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

91-00223/

NTS Number 53B/14SE

Mining Claim Map Number G.2182

This project was funded under the CAnada-Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1990. Randall Lake Area, Geological Data Inventory Folio 517; compiled by the staff of the Resident Geologist's office, Sioux Lookout

Original Compilation by: C.J. Proctor and M.O. Roy

Date	Page Revised	Revised by

Date	Page Revised	Revised by

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20 116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm²	0.155 0	square inches	1 square inch	**6.451 6**	cm²
1 m²	10.763 9	square feet	1 square foot	**0.092 903 04**	m²
1 km²	0.386 10	square miles	1 square mile	2 589 988	km²
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm³	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm³
1 m³	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m³
1 m³	1.308 0	cubic yards	1 cubic yard	0.764 555	m³
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
			CONCENTRATION		
1 g t	0.029 166 6	ounce (troy) ton (short)	1 ounce (troy) ton (short)	34.285 714 2	g t
1 g t	0.583 333 33	pennyweights ton (short)	1 pennyweight ton (short)	1.714 285 7	g t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy) ton (short)	20.0	pennyweights ton (short)
1 pennyweight ton (short)	0.05	ounce (troy) ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm)

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

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ACCOMPANYING MAPS

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Exploration Data Map 1

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	CJP
2	Assessment Files Research Office, Toronto	AFRO	CJP
3	ODM General Index, 9 Volumes	YES	CJP
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	CJP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	CJP
6	ODM Industrial Mineral Reports	NO	CJP
7	Bibliography of Post Precambrian Thesis - Karrow (ODM MP 1)	NO	CJP
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	CJP
9	Newspaper Clippings File	YES	CJP
10	GSC Index to Publications	YES	CJP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	CJP
12	OGS Index Maps	YES	CJP
13	Source Mineral Deposit Records (O G S)	YES	CJP
14	Author - Subject Articles File	NO	CJP
15	Miscellaneous Papers ODM & OGS	YES	CJP
16	ODM Geological Circulars OGS Study Series	NO	CJP
17	ODM Preliminary Reports ODM Bulletins	YES	CJP
18	ODM - OGS Open File Reports	YES	CJP
19	OGS Northern Ontario Engineering Geology Terrain Studies	NO	CJP
20	OGS Aggregate Resources Inventory Papers	NO	CJP
21	OGS Mineral Potential Maps	YES	CJP
22	Drill Core Library Catalogue	NO	CJP
23	Aerial Photographs in Sioux Lookout Office	NO	CJP
24	Unpublished Theses in Sioux Lookout Office	NO	CJP

METALS AND MINERALS REFERENCES LIST

- △ anh ..... Anhydrite
- △ ank ..... Ankerite
- △ anna ..... Annabergite
- △ ap ..... Apatite
- △ arg ..... Argentite
- ▲ As ..... Arsenic
- △ asp ..... Arsenopyrite
- △ asb ..... Asbestos
- △ ba ..... Barite
- △ be ..... Beryl
- △ Bi ..... Bismuth
- △ bn ..... Bornite
- △ bran ..... Brannerite
- △ bruc ..... Brucite
- △ Cd ..... Cadmium
- △ calc ..... Calcite
- △ carb ..... Carbonate
- △ cel ..... Celestite
- △ cc ..... Chalcocite
- △ cp ..... Chalcopyrite
- △ ch ..... Chert
- △ clay ..... Clay
- △ Co ..... Cobalt
- △ cob ..... Cobaltite
- △ cb ..... Columbite
- ▲ Cu ..... Copper
- △ cor ..... Corundum
- △ dol ..... Dolomite
- △ ep ..... Epidote
- △ ery ..... Erythrite
- △ fel ..... Feldspar
- △ fl ..... Fluorite (fluorspar)
- △ fu ..... Fuchsite
- △ gn ..... Galena
- △ gt ..... Garnet
- △ goe ..... Goethite
- ▲ Au ..... Gold
- △ gf ..... Graphite
- △ gl ..... Gravel
- △ gyp ..... Gypsum
- △ hem ..... Hematite
- △ il ..... Ilmenite
- ▲ Fe ..... Iron
- △ IF ..... Iron Formation
- △ jas ..... Jasper
- △ kaol ..... Kaolinite (kaolin)
- △ ky ..... Kyanite
- △ Pb ..... Lead
- △ lim ..... Limonite
- △ Li ..... Lithium
- △ mgst ..... Magnesite
- △ mag ..... Magnetite
- △ mc ..... Malachite
- △ Mn ..... Manganese
- △ mb ..... Marble
- △ mar ..... Marcasite
- △ ma ..... Marl
- △ mi ..... Mica
- △ ml ..... Millerite
- △ mo ..... Molybdenite
- △ Mo ..... Molybdenum
- △ mon ..... Monazite
- △ ne .... Nephelite (nepheline)
- △ nc ..... Niccolite
- △ Ni ..... Nickel
- △ Nb ..... Niobium
- △ Pd ..... Palladium
- △ peat ..... Peat
- △ pent ..... Pentlandite
- △ Pt ..... Platinum
- △ py ..... Pyrite
- △ pyl ..... Pyrochlore
- △ pyrl ..... Pyrolusite
- △ po ..... Pyrrhotite
- △ q ..... Quartz
- △ qcv .. Quartz carbonate vein
- △ ra ..... Radioactive minerals
- △ RE ..... Rare Earths
- △ sd ..... Sand
- △ sgl ..... Sand and gravel
- △ ss ..... Sandstone
- △ scap ..... Scapolite
- △ shee ..... Scheelite
- △ serp ..... Serpentine
- △ sh ..... Shale
- △ sid ..... Siderite
- △ si ..... Silica
- ▲ Ag ..... Silver
- △ sl ..... Slate
- △ sm ..... Smaltite
- △ sod ..... Sodalite
- △ spec ..... Specularite
- △ sp ..... Sphalerite
- △ spd ..... Spodumene
- △ staur ..... Staurolite
- △ stib ..... Stibnite
- △ st ..... Stone
- △ s ..... Sulphides
- △ talc ..... Talc
- △ Te ..... Tellurium
- △ td ..... Tetrahedrite
- △ th ..... Thorite
- △ Th ..... Thorium
- △ thuc ..... Thucholite
- △ ti ..... Titanite
- △ Ti ..... Titanium
- △ tour ..... Tourmaline
- △ trap ..... Trap rock
- △ W ..... Tungsten
- △ uran ..... Uraninite
- △ U ..... Uranium
- △ verm ..... Vermiculite
- △ Y ..... Yttrium
- △ Zn ..... Zinc
- △ zr ..... Zircon
- ▲ Sb ..... Antimony

▲ Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

ABBREVIATIONS LIST

A.F.R.O.	Assessment Files Research Office (Toronto)
Ann. Rept., (A.R.)	Annual Report
A.R.I.P.	Aggregate Resources Inventory Paper
Bull.	Bulletin
C.I.M.M.	Canadian Institute of Mining and Metallurgy
C.J.E.S.	Canadian Journal of Earth Sciences
C.M.J.	Canadian Mining Journal
Econ. Geol.	Economic Geology
E.M.R.	Department of Energy, Mines and Resources
E.P.B.	Earth Physics Branch
G.A.C.	Geological Association of Canada
GC	Geological Circular
GDIF	Geological Data Inventory Folio
Geol.	Geology
Geol. Soc. Amer. Bull	Geological Society of America Bulletin
GR	Geoscience (Geological) Report
GSC	Geological Survey of Canada
I.L.S.G.	Institute on Lake Superior Geology
IMR	Industrial Mineral Report
I.O.C.	Report of the Iron Ore Committee (1923)
Jour. (or J)	Journal
MDC	Mineral Deposit Circular
M.D.I. (R)	Mineral Deposit Inventory (Record)
Mem.	Memoir
MNDM	Ministry of Northern Development and Mines
MNR	Ministry of Natural Resources
M.P.	Miscellaneous Paper
MRC	Mineral Resources Circular
N.M.I.	National Mineral Inventory
NOEGTS	Northern Ontario Engineering Geology Terrain Study
NTS	National Topographic System
O.B.M.	Ontario Bureau of Mines
O.D.L.F.	Ontario Department of Lands and Forests
ODM	Ontario Department of Mines
ODMNA	Ontario Department of Mines and Northern Affairs
OFR	Open File Report
O.G.S.	Ontario Geological Survey
P.R.	Preliminary Report
Prelim. (or P)	Preliminary
R.C.	Royal Commission on Mineral Resources of Ontario (1890)
S.M.D.R.	Source Mineral Deposit Record
Sum. Rept.	Summary Report

MINERAL OCCURRENCES

Map Ref. Letter	(see Exploration Data Map) Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	TEAL SHOWING (RANDALL LAKE)	Au,Ag,Cu, Sb,As,Fe	02175	MRC 12, p.181 MRC 11, p.236	Sb,As,Fe-minor occurrences OGS 1979-Report 143, p.76-80 Map 2292 Map P.711 OFR-5119, p.62-65 -a channel sample assayed 0.99 oz/ton Au, 16.33 oz/ton Ag and 2.41 % Cu -core samples assayed up to 2.44 oz/ton Au, 10.16 oz/ton Ag and 1.84 % Cu over 2.8 ft -a 15-lb sample assayed 1.83 oz/ton Au, 5.06 oz/ton Ag, 1.0 % Cu, 0.46% Sb, 0.09% As and 2.15% Fe
B	UNNAMED (CENTRE LAKE)	Au			53P/14SE-0019 53B/14SE-0024 p.26,29-31 -Trench "M" originally assayed .77 oz Au/ton -other grab samples assayed from 0.32 to 1.79 oz Au/ton -trench "N" assayed 0.12 and 0.22 oz Au/ton

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
1	EAST TRINITY MINING (53B/14NE-0011-C1)											60	60							
2	ST. JOSEPH EXPL. L. (53B/14NE-0012)	78										78	78							
3	TEAL EXPLORATION L. (53B/14SE-0010)				60	60														
4	CANADIAN NICKEL C. L. (53B/14SE-0011-A1)				72															
5	ST. JOSEPH EXPL. L. (53B/14SE-0011-C1)				79															
6	ST. JOSEPH EXPL. L. (53B/14SE-0011-D1)				79															
7	TEAL EXPLORATIONS L. (53B/14SE-0012-A1) (see data from Property #3)				60															
8	PICKEL PATRICIA (53B/14SE-0012-B1)											60								
9	GEOSCIENTIFIC PROSP. (53B/14SE-0013-A1)												60							

TYPE OF WORK

(see files Index Map)

EXPLORATION DATA
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RESIDENT GEOLOGIST'S OFFICE

Numbers below represent the year in which the work was done; e.g., 68 for 1968

Ref. No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
10	ST. JOSEPH EXPL. L. (53B/14SE-0013-B1)	79																		
11	ST. JOSEPH EXPL. L. (53B/14SE-0014)									77										
12	TEAL EXPLORATION L. (53B/14SE-0015)												59				59			
13	ST. JOSEPH EXPL. L. (53B/14SE-0016)											78	78							
14	TEAL EXPLORATIONS L. (53B/14SE-0017-A1)					59		59												
15	PYROTEX MNG. & EXPL. L. (53B/14SE-0017-B1)					66		66												
16	MOSS RESOURCES L. HORSESHOE RESOURCES L. (53B/14SE-0018)	85										85	85							
17	COMSTATE RESOURCES L. (53B/15NW-0018)	85	85																	

TYPE OF WORK

(see files Index Map)

EXPLORATION DATA
filed at the
RESIDENT GEOLOGIST'S OFFICE

Numbers below represent the year in which the work was done; e.g., 68 for 1968

Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
18	NORTHERN DYNASTY NEWFIELDS MINERALS INC. WESTFIELD MINERALS L. (53B/14SE-0019)	85	85																	
19	MOSS RESOURCES (53B/14SE-0020)	85	85																	
20	MOSS RESOURCES (53B/14SE-0021)		85																	
21	MOSS RESOURCES (53B/14SE-0022)	85																		
22	SULPETRO MINERALS L. (53B/14NE-0014)	85				85		85												
23	NORTHERN DYNASTY (53B/14SE-0023)				87															
24	POWER EXPLORATION (53B/14SE-0024) *2.10737	87	87			87														
25	POWER EXPLORATION (53B/14SE-0025)				88	88														

* Toronto File Number

RANDALL LAKE AREA

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref. No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
26	GOLDEN TANAGER RES. L. (53B/14SE-0026) *2.11648											88	88							
27	POWER EXPLORATION INC. (53B/14SE-0027)				88															

*Toronto File Number

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	TEAL EXPLORATION L.	1	1960	S15E	-45	6.00	102.00	py	Au,Ag,Cu
		2	1960	S15E	-45	5.00	100.00	cp,py	Au,Ag,Cu
		3	1960	S15E	-45	12.00	128.00	cp,py	Au,Ag,Cu
		4	1960	S15E	-45	11.00	184.00	cp,py	Au,Ag,Cu
		6	1960	S15E	-60	11.00	333.00	py,cp	Au,Cu
2		7	1960	S15E	-60	8.00	310.00	--	Au,Ag,Cu
3		11	1960	S15E	-45	8.00	449.00	py,cp	--
4		13	1960	S15E	-60	3.00	240.00	py	--
5		5	1960	S15E	-50	11.00	597.00	py	Au
6		8	1960	S15E	-45	45.00	455.00	py,cp	--
		8A	1960	S15E	-45	0.00	60.00	hole abandoned	--
		8B	1960	S15E	-50	0.00	80.00	hole abandoned	--
7		12	1960	S15E	-45	9.00	300.00	py	--
8		15	1960	N15W	-45	6.00	257.00	py,mag	Au
9		9	1960	S15E	-40	9.00	588.00	py,cp	--
10		10	1960	N15W	-45	52.00	504.00	py,po,hem	--
11		14	1960	N15W	-45	13.00	206.00	py	Au

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
12	CANADIAN NICKEL C. L.	49759	1972	155	-50	90.00	597.00	py,mt	--
13	ST. JOSEPH EXPL. L.	3190-6	1979	20	-45	5.18m	84.43m	py,tour,asp, td	Cu,Zn,Au, Ag
14	ST. JOSEPH EXPL. L.	3190-7	1979	195	-60	3.81m	139.59m	cp,py,mag,td	Cu,Zn,Au, Ag
15		3190-8	1979	195	-45	2.34m	91.44m	py,hem,td	Cu,Zn,Au, Ag
16		3190-9	1979	170	-60	3.47m	134.11m	py,cp,td,ep	Cu,Zn,Au, Ag
17	NORTHERN DYNASTY EXPL.	R-87-01	1987	160	-47	3.10m	261.80m	py,po,talc,cp serp,hem	--
18	POWER EXPL. L.	RL-88-1	1988	332	-45	12.50	787.00	py,gn,calc, talc,po,mag	Au
		RL-88-2	1988	332	-59	8.60	523.70	fu,mag,talc asp,py,po,gn, tour,cp	Au
19		RL-88-3	1988	332	-48	86.50	297.00	py,fu,po,cp, asp	Au
20		RL-88-4	1988	332	-46	8.00	447.00	py,po,talc, mag	Au
21		RL-88-15	1988	332	-45	15.70	662.00	tour,asp,py, carb,po,talc, mag,cp	Au

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
22	POWER EXPLORATION L.	RL-88-16	1988	152	-44	8.50	358.70	po,py,cp,mag	Au
23		RL-88-17	1988	332	-44	4.80	677.00	tour,mag,fu, ep,po,py,asp, cp	Au
24		RL-88-18	1988	332	-45	10.00	357.00	py,po,fu,mag, cp	Au
25		RL-88-5	1988	332	-46	10.50	437.30	cp,asp,fu,py, po,mag,talc	Au
26		RL-88-6	1988	332	-46	15.00	447.00	tour,asp,py, po,cp,mag, talc	Au
		RL-88-7	1988	332	-64	8.00	597.00	asp,po,py,cp, mag	Au
27		RL-88-8	1988	332	-45	5.00	567.00	ep,fu,talc, po,py,mag,tour	Au
28		RL-88-19	1988	332	-45	16.00	997.00	py,mag,tour, asp,cp,po	Au
29		RL-88-20	1988	332	-45	34.00	67.00	py,asp	Au
		RL-88-20A	1988	332	-45	34.50	797.00	tour,ep,cp,po, map,py	Au
30		RL-88-21	1988	332	-46	37.70	772.00	mag,asp,fu,py, po,cp,tour	Au
31		RL-88-23	1988	337	-45	18.40	608.00	fu,cp,gn,ep, py,mag,po,talc	Au

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
32	POWER EXPLORATION L.	RL-88-24	1988	332	-46	70.20	817.00	fu,po,tour,py, carb,mag,gn, talc	Au
33		RL-88-25	1988	332	-45	8.10	897.00	mag,py,po,fu, tour,gn	Au
34		RL-88-26	1988	332	-44	22.00	997.00	tour,asp,cp, talc,py,po, mag,serp	Au

● —— indicates core stored at Drill Core Library

AIRBORNE GEOPHYSICAL SURVEY DATA

Number on File Index Map	— by — for — year	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
11	by: Questor Surveys L. for: St. Joseph Expl. L. year: 1977	Electromagnetic	150'	E-W	1/8 mile (660')

RANDALL LAKE AREA

GEOCHEMICAL SURVEY DATA

(see Exploration Data Map)

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	Rock	Au,Cu (multi-spectral)	Comstate Resources	(53B/15NW-0018)
2	Rock, soil, stream sediments	Au, (multi-spectral)	Northern Dynasty Newfields Minerals Westfield Minerals	(53B/14SE-0019)
3	Rock, soil	Au,Ag,Cu	Moss Resources	(53B/14SE-0020)
4	Rock, soil	Au,Ag, (multi-spectral)	Moss Resources	(53B/14SE-0021)
5	Rock channel	Au	Power Exploration	(53B/14SE-0024)

GEOCHRONOLOGY DATA - AGE DATING

Site	Method	Material	Reference	Result
No Data as of March, 1989				

AERIAL PHOTOS; MOSAICS; IMAGERY

The following items are available for inspection at the Resident Geologist's office:

(a) Aerial Photographs: No Data as of April, 1989

(b) Photomosaics:

(c) Satellite Imagery:

TOPOGRAPHIC MAPS (selected)

scale	year	name and/or number	by
1:250,000	1981	North Caribou Lake 53B	Survey and Mapping Branch, Dept. of Energy, Mines and Resources

RANDALL LAKE AREA

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

COMPANY	NEWSPAPER	DATE	PAGE
GOLDEN TANAGER	NORTHERN MINER	Nov 21/88	p.21
		July 18/88	p.12
MOSS RESOURCES	NORTHERN MINER	Feb 20/89	p.19
		Aug 15/88	p.12
		May 16/88	p.15
		Sept 16/85	p.5
		July 14/85	p.3
		June 23/85	p.6
	DRYDEN OBSERVER	July 19/88	p.12
	GEORGE CROSS NEWS-LETTER	?	?
NEWFIELDS MINERALS WESTFIELD MINERALS	NORTHERN MINER	Apr 27/87	--
		Jan 19/87	--
	GEORGE CROSS NEWS-LETTER	July 16/85	--
		June 17/85	--
		Feb 21/85	--
		Jan 15/85	--
NORTHERN DYNASTY	NORTHERN MINER	Apr 27/87	p.7
		Jan 19/87	p.24
	GEORGE CROSS NEWS-LETTER	June 16/87	--
		Apr 23/87	--
		Jan 13/87	--
		July 16/85	--
		June 17/85	--
		Feb 21/85	--
		Jan 15/85	--
		June 30/87	--
POWER EXPLORATIONS	NORTHERN MINER	Nov 23/87	p.6
		May 16/88	p.15
	DRYDEN OBSERVER	July 19/88	p.12

ODM GENERAL INDEX SEARCH

Words searched: Randall Lake, Weagamow Lake, North Caribou Lake, Annable Lake, Brouse Lake, Stewart Bay, Agutua Arm of Weagamow Lake

Index Volume	Listing	Report Volume	Part	Page
III	Geology of the Windigo-North Caribou Lakes Area	XLVIII	9	6-8, 12-15, 19,21, 27,28
8	Operation Winisk Lake	MP 49		p.20
8	Iron Deposits of Ontario	MRC11		p.236
8	Copper, Nickel, Lead and Zinc Deposits of Ontario	MRC12		p.181
9	Geology of the Winisk Lake Area	GR193		

RANDALL LAKE AREA

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
BARTLETT, J.R. BREAKS, F.W. DEKEMP, E.A. SHIELDS, H.N.	1985	Precambrian Geology of Eyapamikama Lake Area (Opapimiskan Lake Project), Kenora District (Patricia Portion), O. G. S., Map P.2834, Geological Series	P.2834	1:31,680
BREAKS, F.W. BARTLETT, J.R. DEKEMP, E.A. FINAMORE, P.F. ET AL.....	1984	Opapimiskan Lake Project: Precambrian Geology, Quaternary Geology and Mineral Deposits of the North Caribou Lake Area, District of Kenora (Patricia Portion), p.258-273 in Summary of Field Work, O.G.S., Miscellaneous Paper 119, 309p.	MP 119	p.258-273
BREAKS, F.W. BARTLETT, J.R. OSMANI, I.A. FINAMORE, P.F. WALLACE, H.	1985	Opapimiskan Lake Project: Precambrian and Quaternary Geology of the North Caribou Lake Area, District of Kenora (Patricia Portion), p.268-278 in Summary of Field Work, and Other Activities, O.G.S., Miscellaneous Paper 126, 351p.	MP 126	p.268-278
DUFFELL, S. MACLAREN, A.S. HOLMAN, R.H.C. (G.S.C.)	1963	Red Lake-Lansdowne House Area, Northwestern Ontario, Bedrock Geology, Geophysical and Geochemical Investigations (Parts of 42,43, 52,53) Report, Map 2-1963, map 3-1963	Paper 63-5 Map 2-1963 Map 3-1963	1"=8 Miles 1:506,880
EASTON, R.M.	1986	Geochronology Compilation Map for Ontario, Sheet 5, Northwestern Ontario, All Isotopic Systems; O.G.S., Map P.2844, Compilation Series	P.2844	1"=16 Miles 1:1,013,760

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
EMSLIE, R.F. HOLMNA, R.H.C. (G.S.C.)	1966	The Copper Content of Canadian Shield Rocks Red Lake-Lansdowne House Area, Northwestern Ontario, Bulletin 130	Bulletin 130	--
FINAMORE, P.F.	1986	Quaternary Geology of the North Caribou-Weagamow Lake Area, Kenora District (Patricia Portion); O.G.S. Map P.3043, Geological Series	P.3043	1:50,000
G.S.C.	1963	Geochemistry (Copper in Bedrock), North Caribou Lake, Ontario, Map 52-1963	Map 52-1963	1"=4 Miles 1:253,440
MEYN, H.D. ROBERTSON, J.A.	1975	Iron Deposits of Ontario, Northwestern Sheet, District of Kenora (Patricia Portion), O.D.M. Map P.1040, Mineral Deposits Series	P.1040	1"=16 Miles 1:1,013,760
O.D.M.	1969	Northern Patricia Portion, District of Kenora Preliminary Map P.526	P.526	1"=25 Miles 1:1,584,000
O.D.M.	1970	Ontario Geological Map, Northwest Sheet, Map 2201	Map 2201	1"=16 Miles 1:1,013,760
O.D.M.	1960	Weagamow Lake, Kenora District, Ontario Aeromagnetic Series, Map 909G	Map 909G	1"=1 Mile 1:63,360
O.D.M.	1973	Big Trout Lake-North Caribou Lake, Geological Compilation Series, Kenora District, Map 2292	Map 2292	1"=4 Miles 1:253,440
O.D.M.	1939	North Caribou Lake Area, District of Kenora (Patricia Portion), Ontario, Map 48h, to accompany Report by J. Satterly	48h	1"=1 Mile 1:63,360

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
O.G.S.	1985	Airborne Electromagnetic and Total Intensity Magnetic Survey, Opapimiskan Lake Area, District of Kenora, Patricia Portion, by Aerodat Limited, for O.G.S., Geophysical/Geochemical Series, Maps 80733, 80744	Maps 80733 80744	1:20,000
OSMANI, I.A. STOTT, G.M.	1988	Regional Scale Shear Zones in Sachigo Subprovince and Their Economic Significance, p.53-67 in Summary of Field Work and Other Activities 1988, O.G.S. Miscellaneous Paper 141, 498p.	MP 141	p.53-67
PIROSHCO, D. SHIELDS, H.	1985	Geology and Gold Mineralization of the Eyapamikama Lake Area of the North Caribou Lake Greenstone Belt, District of Kenora (Patricia Portion), p.277-286 in Summary of Field Work and Other Activities, O.G.S. Miscellaneous Paper 126, 351p.	MP 126	p.277-286
PIROSHCO, D.	1986	Structural Geology and Gold Mineralization of the Eyapamikama Lake Area of the North Caribou Lake Greenstone Belt, District of Kenora (Patricia Portion), p.379-385 in Summary of Field Work and Other Activities, O.G.S., Miscellaneous Paper 132, 435p.	MP 132	p.379-385
PREST, V.K.	1963	Red Lake-Lansdowne House Area, Northwestern Ontario, Surficial Geology, parts of 42, 43, 52,53 Paper 63-6, Map 4-1963, Maps 5-1963	Paper 63-6 Map 4-1963 Map 5-1963	1"=8 Miles 1:506,880
ROBERTSON, J.A. VOS, M.A. SPRINGER, J.S.	1976	Mineral Potential Map of Ontario 1976, Northwestern Sheet, O.D.M., Map P.1096, Mineral Deposits Series	P.1096	1"=16 Miles 1:1,013,760

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Author	Date	Title	Reference	Map Scales and/or Report Pages
SATTERLY, J.	1938	Preliminary Report on the Windigo-Weagamow-Caribou Lakes Area, P.R. 1938-4	P.R. 1938-4	--
SHKLANKA, R. (O.D.M.)	1969	Copper, Nickel, Lead and Zinc Deposits of Ontario, Mineral Resources Circular No.12, p.181	MRC 12	P.181
SHKLANKA, R.	1968	Iron Deposits of Ontario, Mineral Resources Circular No. 11, p.236	MRC 11	P.236
SPRINGER, J.	1978	Ontario Mineral Potential, North Caribou Lake Sheet, District of Kenora (Patricia Portion), O.G.S., Map P.1547, Mineral Deposits Series	P.1547	1:250,000
THURSTON, P.C. SAGE, R.P. SIRAGUSA, G.M.	1971	Operation Winisk Lake, Weagamow Lake Sheet, District of Kenora (Patricia Portion), O.D.M. and Northern Affairs, Map P.711, Geological Series	P.711	1"=2 Miles
THURSTON, P.C. SAGE, R.P. SIRAGUSA, G.M.	1979	Geology of the Winisk Lake Area, District of Kenora (Patricia Portion), O.G.S. Report 193, 169p. accompanied by Maps 2287 and 2292	Report 193 Maps 2287 2292	1:253,440
THURSTON, P.C. SAGE, R.P. SIRAGUSA, G.M.	1971	Operation Winisk Lake, District of Kenora (Patricia Portion), p.13-21 in Summary of Field Work, 1971 by the Geological Branch, O.D.M. and Northern Affairs, MP 49, 109p.	MP 49	p.13-21
THURSTON, P.C. SAGE, R.P. SIRAGUSA, G.M.	1975	Operation Winisk Lake, District of Kenora (Patricia Portion), Division of Mines, O.F.R. 5119, 297p.	OFR 5119	--

NOTES AND ADDENDA

Due to the scale of the exploration map and the intensity of work in some areas, a trench symbol may represent one or more trenches.

MAPS
NOT
FILMED

CARTES
OMISES